



COLORADO SPRINGS,
COLORADO

INSIDE THIS ISSUE:

Radio Exams	page 2
From The Editor	page 3
Radio Classes	page 3
Nomination Notice	page 3
Club Calendar	page 7
Meeting Minutes	pages 8&9
Dits and Bits	page 10
OM/YL Lunch Bunch	page 10
Fall Activities	page 10
Fox Hunt	pages 3&10
Roster	Three Pages

SEPTEMBER 1995



Amateur Radio News Service

Pikes Peak Radio Amateur Association, Inc.
P. O. Box 16521
Colorado Springs, Colorado 80935

FIRST CLASS MAIL



Ø BEAT



P.P.R.A.A. Officers and Directors

President--	Steve Westby	WB7VHR	1640 Keith Drive	80916	570-1070
Vice-President--	Rick Brown	KD0SU	3249 Squaw Valley Drive	80918	531-9423
Secretary--	Warren Hickey	W0YNE	12896 Tia Lane	80908	496-0471
Treasurer--	Ron Deutsch	NK0P	4306 Ridgeland Drive	80918	693-8352
Board Member--	Ora Marie Rose	N0QJX	6214 Colter Lane	80915	591-5766
Board Member--	Jeff Ryan	N0WPA	8721 Northface Lane	80919	260-8826
Board Member--	Harry Russell	N0SFP	11710 Tracy Lane, Peyton	80831	749-0244
Board Member--	Jill Karnienki	AA0TH	P.O. Box 5590, Woodland Pk	80866	687-6864
Past President--	Steve Westby	WB7VHR	1640 Keith Drive	80916	570-1070
Ø-Beat Editor--	Renay Boyes	KA0ROY	2626 E. Bijou	80909	633-6660
Ø-Beat Editor--	Jeff Boyes	N0JLH	2626 E. Bijou	80909	633-6660

ZERO BEAT is published monthly in the interest of the members of the Pikes Peak Radio Amateur Association, Inc., PO Box 16521, Colorado Springs, Colorado 80935. For membership and subscription information see last page of this publication. The Pikes Peak Radio Amateur Association meets monthly on the second Wednesday of each month at the Disabled American Veterans, Chapter 26, 6880 Palmer Park Blvd. at 7PM.

Deadline for submission of articles or ads is the 20th of each month. Submissions may be sent to the Editor or to the club PO box. Permission to reprint articles is granted provided credit is given to both the author and this publication.

ADVERTISING RATES: Full page \$48; half page \$24; quarter page \$12; business card \$6. These are monthly rates and are billed quarterly. Send your ad requests and payments to: PPRAA, PO Box 16521, Colorado Springs, Colorado 80935.

Committee Chairpersons, etc.

Publicity	Al Craig	594-9288
Membership	Les Borst	634-3995
Education	Al Bailey	597-8514
VE Testing	Erik Mugele	596-5345
Interference	Bill Patty	591-2116
RACES	Bryan Curl	390-5524
ARES	Mike Stansberry	636-1290
Skywarn	Steve Westby	570-1070
Public Service	Mike Stansberry	636-1290
CCARC	Cory Nelson	
Club Trailer	Harry Russell	749-0244
Ø-Beat	Renay & Jeff Boyes	633-6660
Club Historian	Al Craig	594-9288
Falcon Wanderers	Bob Nyman	574-5161
Programs	John Martin	531-6369
Swapfest	Harvey Hunter	597-8964
Finance	open	



Radio Exams

Radio Examinations are sponsored by the PPRAA on the 2nd Saturday of February, April, June, August, October, and December. Testing takes place at 9:00 AM at:

Denver Technical College(DTC)
225 South Union
Colorado Springs

Everyone is treated on a walk-in basis. Those wishing to take an examination should bring the following item.

1. \$5.90 (preferably a check or money order made out to ARRL/VEC) for any exam other than element 1A or 2.
2. Picture identification.
3. A copy of your current amateur license as well as the signed original. A copy of any examination credit you have, as well as the original. **We keep the copies.**
4. A pen, pencils, and a calculator if you need one.

If you have any further questions please call Erik Mugele, N5YX at 596-5345. Please do not call DTC, they only provide us the rooms for testing, and they do not have any further information concerning the testing.

Reminder - September Meeting

The next meeting of the PPRAA will be held on Wednesday, September 13th at the Disabled American Veterans Hall located at 6880 Palmer Park Blvd. The meeting starts at 7:00 PM. The program will be activities night.

School Is In

Novice and Technician classes will be conducted for those persons wishing to obtain our upgrade an Amateur Radio License. The classes are free to the general public; however, each student should purchase the ARRL "Now Your Talking" text book which costs approximately \$19.00. The text book may be purchased in class. In addition to the text book, the Technician Class examination will cost \$5.90. The classes will be held at the International Tesla Society, 2220 East Bijou Street in Colorado Springs near Montgomery Wards.

The Novice class will be held each Monday and Wednesday evening beginning on Monday, September 18th and ending on Wednesday, October 18, 1995. The first class will begin at 6:00 p.m. The class will cover an introduction to International Morse Code and novice theory on amateur rules, regulations and operating practices. The class will also cover basic electronic, antenna and transmission theory required to pass the Novice Licensing Examination. Each individual who wishes to obtain their license should be prepared to attend each class for a five week period.

The Technician class will be held each Monday and Wednesday evening beginning on Monday, October 23rd and ending on Wednesday, November 8, 1995. The first class will begin at 7:00 p.m. The class will cover technician theory on amateur rules, regulations and operating practices; and electronic, antenna and transmission theory required to pass the Technician Licensing Examination. Each individual who wishes to obtain their license should be prepared to attend each class for the three week period.

Those persons wishing to attend the courses should pre-register by contacting Frank McNally at 598-8733 during the evening.

Transmitter Hunt

Join the fun in Castle Rock on Sunday September 10, 1995 at 4:00 p.m. K0ELM will be the fox. We are meeting 2 miles east of Castle Rock -- intersection of Hwys 86 and 83 Talk-in Freq: 147.555 Simplex

NOMINATION TIME

With only the September meeting between now and the annual meeting, members are requested to submit nominations or volunteer for officer/board positions. Please contact any board member listed on page 2. Elections will be held during the October meeting.

From The Editors

We would like to try something in the next couple of months, we would like to hear from you in the form of a **Tell it to the Editor**. In the months to come we will print your letters on a "as space permits basis" but be assured that all letters we get will get printed. You can submit any articles or letters either at the meeting, by mail: 2626 East Bijou Street, Colorado Springs, CO 80909, or by E-Mail Call Jeff for the address 833-5650.

Thanks.

Renay and Jeff Boyes

EL PASO COUNTY ROUND TABLES

.58 Round Table at 7:30 p.m. local Tuesday Evenings on 146.58 VHF.

HF Round Table at 7:30 p.m. local Sunday Evening on 3990.5 HF.

Everyone is invited to join in.

PPRAA Membership - As Of July 1995

Call	Last Name	First Name	Phone
AA9JP	MUSSELMAN	RANDALL	471-8123
AL7OW	DANIELSON	LINDY G.	596-6977
KDCI	SCHAARSCHMIDT	STEVE	598-3554
KDCST	HANSZ	JERALD	390-4106
KDGH	CRAWFORD	JOHN	481-3568
KOROL	STOCKTON	OAK	570-7782
KDTER	STANSBERRY	MIKE	636-1290
KDUNS	ZIMMERMAN	JIM	599-3119
KDWVB	WOODRUFF	CARL	634-6372
K2LCT	PACHE	DICK	593-2831
K4YCD	STANFILL	BILL	531-7738
K8CIW	FERMAN	ANTHONY	
KAQATW	LEONARD	DONALD	531-8652
KAOMTX	STREAMER	RALPH	634-1081
KA00YZ	HICKEY	ARLENE	
KAOPXE	STREAMER	CONNIE	634-1081
KAOROY	BOYES	RENAY	633-5650
KAORQZ	BORST	JODY	634-3995
KAOTSA	JANES	DALEAN	630-1542
KADWWT	TURNER	ALLEN	573-0208
KA3ZRQ	ELWELL	JULIE	382-0450
KABIOD	CASELLA SR.	MICHAEL	574-8294
KA8ZKR	VERRET	PHILLIP	598-2455
KBOCY	WITTE	BOB	488-0859
KBOEXL	COX	LAURIEA	597-9760
KBOEZG	COX	JENNIFER	597-9760
KBOEZH	COX	STEPHONIE	597-9760
KBOFNM	CALAWAY	RUSS	471-9985
KBOIAP	PROCTOR	MICHAEL	599-3764
KBOJQR	BRANTLEY	DOLORES	481-2140
KBOKID	MOLITORIS	GEORGE	550-9463
KBOKQH	JARMUTH	DOUGLAS	520-0458
KBOKQI	JARMUTH	DAVID	520-0456
KBOLGK	ROUSH	TERRY	598-8693
KBOLNA	TURNER	PAMELA	573-0208
KBOLNF	ELWELL	LISA	382-0450
KBOMEN	TERNY	PAUL	531-6882
KBOMFA	BROWN	BRIAN	531-9423
KBOMMT	LEWIS	DAVID	495-4214
KBOMPC	TERNY	PHANNEET	531-6882
KBOMXL	BLAINE	REX	531-6450
KBOMXQ	SETZER	CRAIG	632-1515
KBONMH	NELSON	CORY	
KBONN	HAWLEY	DR. DON	835-9367
KBOODP	HOUSTON	TEX	392-6030
KBOODS	PICKEREL	LEE	598-9708
KBOODU	BRUCE	TIMOTHY	380-7645
KBOODX	BERNSTEIN	PETE	596-8496
KBOOEAE	HURT	TERRY	591-5883
KBOOQX	WARNOCK	JAMES	391-0915
KBOPBJ	PAYNE	ROBYN	380-5246
KBOPOA	LAYHER	SCOTT	598-5582
KBOPOB	LAYHER	CHARLES	598-5582
KBOPOC	BRADDOCK III	DANIEL	531-8551
KBOPTO	CLINE	EDWARD	488-2571
KBOPTQ	NIELSEN	JOHNNIE	636-3813

Call	Last Name	First Name	Phone
KBOPVR	JANNERETH	JACKI	697-8785
KBOGFP	LEADER	MEL	598-2259
KBOGI	HERREN	FAYE	632-4874
KBOQLM	REEVES	ROY	599-7552
KBORD	TILLOTSON JR.	BASCOM	637-1992
KBOREE	CHARLES	SHANNON	260-8871
KBOREI	CARO	CARLOS	632-1589
KBORLI	VEST	DAVID	392-4536
KBOSGF	WHITE	NAUDELL	382-4140
KBOSHE	HAMMOND	DAVE	632-7965
KBOSHI	PROULX	BILL	573-4527
KBOSHJ	MIKKELSON	DOROTHY	485-3159
KBOSHM	NIEMAN	GERALD	597-6717
KBOSHQ	BROWN	NOLEN	528-6217
KBOSHR	BORTER	DOUG	596-5899
KBOWX	STIENMIER	RICHARD	688-1461
KB2BAJ	BELLAMY	ELEANOR	591-2378
KB5RGW	KEELEY	SUE	683-3127
KB7RUP	HARTOONIAN	ART	573-9176
KB7VDK	COPMANN	DARLA	840-1293
KCONC	BORST	LES	634-3995
KCOTQ	HANSEN	HARLEY	895-0221
KCSEYT	GRAY	DEBORAH	389-1627
KCSFWV	SPIEGEL	ROBERT	485-1534
KC6RZW	BOOKER	CORNELIUS	528-9404
KDONB	LUND	EDWARD	485-9007
KDOQE	CHILDRESS	HERB	598-2346
KDOSU	BROWN	RICK	531-9423
KD8DEZ	KEANE Jr.	G. L.	670-8387
KD8FLM	PELOUZE	AARON	262-9715
KD8MQF	VERRET	LINDA	598-2455
KD6TRU	SCHWAB	JIM	591-8925
KESLX	LEHMAN	LARK	481-4622
KFOCT	RIEL	CHARLES	473-6380
KFOVG	BEATON	ARTHUR	593-1719
KFOWF	McNALLY	FRANK	596-8733
KF4B	DALTON	ED	481-4297
KGD4E	SUDDARTH, Jr	JAMES	382-5875
KGOBQ	MONROE	RICHARD	UL
KGDRN	GOODWIN	STEPHEN	473-5892
KGORO	HREBEK	BOB	630-1895
KGOXE	MUGELE	ERIK	598-5345
KL7IBA	VAN ZANT	FRANK	833-8484
KL7IPV	DRAKE	FRANK	597-2406
KQOS	MARCIANO	JOSEPH	597-0825
KRORLF	FRENCH	ROGER	598-9570
NOCCZ	FREEBORN	ANDY	598-8373
NOCGP	LESLIE	NORMAN	687-3536
NOCMVV	VROOMAN	ALLEN	473-1680
NOCTV	HAGGART	BOB	392-1617
NOCYR	JACOBS	JAKE	UL
NOCYS	McCARTY	JACK	833-3479
NODDF	LIBENGOOD	BUD	475-0537
NOENM	QUINTANA	JOSEPH	636-2251
NOENN	MILLER	NORMAN	634-7574
NDEOP	SLOAN	DAVE	391-0590
NOFQB	PETTA	JOSEPH	576-4665

Call	Last Name	First Name	Phone
NOGEC	METCALF	H.B.	471-0871
NOGYI	FRYDRYCH	MAREK	574-0252
NOHRD	ZIMMERMAN	WILL	471-8527
NOHSM	PAYNE	BRANDON	380-5248
NOIEM	KALTENSTEIN	FRANK	586-7960
NOION	BANKS	DAVID	280-1318
NOISU	FRENCH	BOB	630-1127
NOIZM	BOLLER	RICHARD	598-2802
NOIZQ	HOSEA	SARALEE	598-8587
NOJLH	BOYES	JEFF	633-5650
NOJPW	PHILLIPS	KENNETH H.	683-3027
NOKAN	JOHNSON	HERMAN	382-0131
NOKIC	CHAPMAN	JOHN	635-1604
NOKUU	JANES	LONNY	630-1542
NOLA	LaFOSSE	PETER	485-4829
NQLUG	KILE	LYDIA	962-9179
NOMHQ	BATES	STEVE	637-0684
NOMMP	HAGGART	CORRINE	382-1817
NONJW	ATKINSON	PHILIP	597-1561
NONJX	PETTY	WILLIAM	591-2116
NONKG	ALLISON	TED	633-1517
NONKP	PHILLIPS	KENNETH L.	574-6358
NONTX	McDANIEL	THOMAS	570-1465
NOOCZ	MARTIN	MICHEAL R.	594-9339
NOODD	ROHRIG	RALPH	382-9316
NOOPH	PARIS	RAMONA	
NOOPM	SIGNORELLI	SHARON	632-2829
NOODU	STANSBERRY	LUCI	636-1290
NOPRS	PEWITT	GENE	573-4304
NOPRY	HIPSZKY	ISTVAN	528-8361
NOPZU	PRISK	JERRY	574-3745
NOQJS	ROTH Jr.	JOHN	596-6285
NOQJW	BRANTLEY	GRADY	481-2140
NOQJX	ROSE	ORA MARIE	591-5756
NOQWO	GALBRAITH	COLLEEN	576-1343
NOQWT	FRENCH	DONALD	598-0732
NOQWU	BANKS	CHRIS	280-1318
NOQYW	GALBRAITH	JOHN	576-1343
NORNQ	NYMAN	ROBERT	574-5181
NOSFP	RUSSELL	HARRY	749-0244
NOTDS	BOLGER	AL	683-2506
NOTUI	AMBURN	JIM	592-9525
NOTUK	DEUTSCH	LIZ	593-8352
NOTUL	BRAMLEY	BILL	635-7853
NOTUU	MacDONALD	WM	260-6074
NOUDH	BRYANT	STEVE	395-8453
NOUDI	BRYANT	LINDA	395-8453
NOUDR	ROSAS	DENNIS	634-5953
NOUOD	HIPSZKY	VIRGINIA	528-8361
NOURR	MARTIN	JOHN	531-8389
NOUVR	KURTH	DAVE	593-9686
NOUVT	SCHARER	RICHARD	UL
NOVAN	GOULD	CHARLOTIE	UL
NOVAO	MATTHEWS	JAY	347-2392
NOVAR	LaFOSSE	ANN	485-4829
NOVBJ	CAIN	CHARLES	260-6221
NOVBM	KREMER	JOHN	550-1489

Call	Last Name	First Name	Phone
NOVBQ	MANERY	BOB	635-8588
NOVBR	TROTH	MILLIE	635-8588
NOVLV	JONES JR.	JAMES	663-3596
NOVHB	SMITH II	CYRIL	380-9645
NOWPA	RYAN	JEFF	280-8826
NOWQM	ARMSTRONG	ROBERT Jr.	280-1997
NOWTW	WARD	JEFF	687-6536
NOXAG	WUERTELE	MARY ANN	583-9767
NOXCR	WUERTELE	JEFF	583-9767
NOXFX	ROSE	BERNIE	473-8382
NOXIB	BOTTORFF	DAVID	535-9445
NOXUE	WUERTELE	JAMES	583-9787
NOXWN	FRY	MICHAEL	599-8187
NOXWW	KELLEY	CHUCK	632-1867
NOXXI	ATKINSON	SHIRLEY	597-1561
NOYCH	THOMAS	JOSEPH	391-2593
NOYGM	KNIGHT	KEN	661-3437
NOYGQ	HARADA	JON	597-8857
NOYQJ	NOVOVESKY	SCOTT	596-4791
NOYTQ	MARTIN	KATHRYN	594-9339
NOYTW	ALLEN	TROY	573-9825
NOZFX	RYAN	GLORIA	598-4077
NOZLZ	STROUP	DAVID	481-3337
NOZMA	GOBLE	PAUL	594-8319
NOZPY	STROUP	DOUG	481-3337
NOZUQ	MIKKELSON	CLIFF	673-2065
NOZUY	KELLY	TOM	598-3370
NOZVA	BLAIR	JULIUS	574-7835
N2IWZ	CRAIG	AL	594-9288
N3QOO	EVANS	JOHN	598-4696
N3RDI	BUCHIN	MARGARET	966-5500
N3TOK	EVANS	PATRICIA	598-4696
N4TGO	PARIS	DOUGLAS	
N5GVP	ALLEN	GERALD	380-8825
N5NYD	SATAGAJ	JOHN	528-6127
N6VTS	HIGGINS	JOHN	282-9328
N7AAQ	HATCH	HARVEY	598-7954
N8CIX	HINDS	GEORGE	887-2610
N9HSW	DUNN	LARRY	596-4625
N9TMD	STUPPERICH	KATHLEEN	526-6870
NF7U	BROWN	MEL	535-2081
NH8ON	POWELL	NICK	260-9321
NH6ZW	MILLER	JEFF	472-6465
NKOP	DEUTSCH	RON	593-8352
WDANX	MERRILL	JIM	635-1139
WDCHG	SAMPLE	FRANK	392-1368
WDEQ	MADDOX	JOE	634-7408
WDFPQ	WOLFE	CLARENCE	380-9106
WDIHO	BARBEAU	ARTHUR	632-0946
WOMCT	CORNELL	DOC	598-4216
WOMXY	BERGESON	HAL	471-0238
WORW	SIGNORELLI	PAUL	632-2829
WOSW8	FREYMUTH	RUSS	633-8186
WODZ	CLARK	GEORGE	635-4158
WOVO	MEANS	ED	473-6174
WOYNE	HICKEY	WARREN	
WOZHZ	WILSON	DAVID	598-3619

Call	Last Name	First Name	Phone
W2SRQ	FRENCH	WILLIAM	683-2770
W2TJO	BRERETON	THOMAS	390-9247
W3TEB	BUCHIN	HARRY	966-5500
W3TMR	HOSEA	MEL	586-8587
WBJWZ	JANNERETH	BOB	687-8765
WBXPX	FINNEY	FRANK	282-9304
W9YYO	EINING	CHARLES	390-8665
WAQMN	GALAWAY	ROSIE	471-9995
WAQTB	STAFFORD	KIRBY	598-3522
WAOWJ	SCHLADWEILER	ELMER	471-7328
WAQYTK	TANNER	MINT	534-7583
WAQZLY	SUCHER	RICHARD	471-2280
WAQZTI	TOEPPEN	DEREK	590-7082
WA2OOD	TARZA	GREGORY A.	597-7064
WA3EIB	HUNTER	HARVEY	597-8964
WA4SVJ	ARMSTRONG	BOB	260-1997
WA5RGU	BRANN	TRAVIS	573-4775
WA7SDO	COPMANN	DAVID	840-1283
WA9ABB	SORRELLS	JIMMY	422-1608
WBQDUM	LOCKHART	GEORGE	495-3983
WBQIMH	ERICKSON	DON	519-8884
WBQMHP	MOLONEY	DOUG	UL
WBQSDW	RIESE	DAVID	471-0743
WB2EVR	BELLAMY	WILLIAM	591-2378
WB5GSA	BRIDGES	RICHARD	548-0147
WB7THT	KILE	RICK	962-9179
WB7VHR	WESTBY	STEVEN	570-1070
WB7WHT	ROLLER	ROBERT	282-0204
WDOGVH	COX	THOMAS	597-9760
WDOK	BEAUCHAMP, SR.	GEORGE	635-8758
WD4SMJ	AARON	PAUL	481-4427
WDSGNE	SIGLER	MICHAEL	488-3370
WG9H	MANGEL	VIRGINIA	590-8663
WH6UO	GLASER	ROBERT	683-2063
WL7RV	ANTION	ROBERT	637-8227
WMOT	SPRINGER	BARRY	465-9482
WU3H	KEELEY	MIKE	683-3127
WX3X	ELWELL	LYMAN	382-0450
X___	SARGENT	WALTER	535-2820
X___	HEDGES	LINDA	633-6985
X___	DAVIS	TERRY	475-7635
X___	BORING	CHARLIE	
X___	KELLEY	CAROL	632-1887
X___	MILLER	PATRICIA	472-6455
X___	HUNTER	KAREN	597-8964

OOPS

Due to technical problems we were unable to print the September Calendar. Please Remember that the Classes start the 18th and that there is two new Round Table to participate in. Sorry if this has inconvenienced anyone.

FCC plan would "privatize" RFI resolution

The Federal Communications Commission has announced a pilot program to "privatize" the resolution of interference problems. FCC representatives spelled out the Commission's idea at a meeting late last month in Tampa, saying "Since it is not feasible for the Commission to attempt to resolve these complaints, it is our policy not to investigate interference to home electronic equipment. Likewise, we do not offer any protection from interference."

Many old timers can remember when an FCC van would pay a visit to a ham accused of causing TVI. After a detailed technical investigation, FCC engineers would pronounce the ham station either "clean" or "dirty." If the station were found to be transmitting spurious emissions that interfered with neighborhood TVs, the ham was told to "clean it up," or else. If the station was found to be operating legally, the friendly FCC engineer talked to the neighbor about fundamental overload and high-pass filters.

While hams generally feared this visit from the FCC, in reality it often proved useful, ending a neighborhood dispute and providing a final answer on fault and responsibility.

But over the past several years the FCC has been "unofficially" out of the "retail" RFI business. Hams, or their neighbors, who contact the FCC about an interference problem, are given a copy of the FCC's Interference Handbook, and are asked to work together toward a solution. While this works out well with reasonable people, the ARRL RFI Desk hears horror stories from hams about neighbors who refuse all attempts at reconciliation or solution.

Some of these disputes have ended up in court--in battles amateurs usually ultimately win, but only after the expenditure of thousands of dollars. The administrative burden of RFI investigation has been lessened, but a few individuals end up paying a high price.

And a larger number of individuals end up living with the inconvenience of not knowing the true source of ongoing interference problems.

The Tampa meeting was moderated by Ralph Barlow, Engineer in Charge (EIC), Tampa Compliance and Information Bureau of

the Tampa Field Office. Bob McKinney, EIC of the Vero Beach Monitoring Station, and Carol Johnson, Public Affairs Specialist, Tampa CIB, also participated for the FCC. Don Hatton represented the Electronic Industries Association (EIA). Several major consumer electronics manufacturers and training institutions also sent representatives. Several ARRL volunteer officials represented League members. ARRL Laboratory Supervisor Ed Hare, KA1CV, worked closely with these regional ARRL officials and the FCC Tampa CIB office both before and after the meeting.

The FCC said their pilot program will use local electronic repair shops to fix interference problems "in the field." The FCC also said it receives some 30,000 complaints a year of interference to home electronic equipment.

The FCC also feels that the self-help information they have been providing is not used effectively by consumers. In June 1995, the FCC surveyed 80 recent cases of interference, 53 of them still unresolved. Of those that had been resolved, only one or two used the self-help information supplied by the FCC. The FCC said that the most interference problems come from Citizens Band operation.

The FCC believes that a program to privatize the resolution of interference problems would be effective. Local repair shops would call on the involved parties and repair the problem. If the problem were found to be caused by susceptible consumer equipment, the shop would fix that equipment. If an investigation determined that the radio transmitter was being operated in violation of FCC rules, the service shop would refer the case back to the FCC for possible action.

While the issues of cost were not made entirely clear, the gist of discussions at the meeting revolved around consumers being charged for any needed repairs to their equipment. Who should be charged if the interference were deemed to have been caused by the illegal operation of a transmitter was an unresolved issue. "The service shop would most certainly expect to be paid by whoever made the initial call for service," Hare said in an interview after the meeting.

The FCC's emphasis was on locating and training the service organizations (repair shops). While McKinney said that when the program goes nationwide there will be no limit

on the number of service organizations, there will be no FCC certification, and no FCC question pools. The FCC will maintain a list of service organizations and refer consumers to those nearby. They did, however, state that they didn't intend to refer anyone to a group that they didn't have confidence in.

According to Ed Hare, "This program could be an effective way to help hams and their neighbors with interference problems if the training is complete and the participants address problems fairly. However, manufacturers have not always been fair to the several radio services that are sometimes involved with interference problems involving their equipment. We have reports on file of neighbors who were told by the manufacturer that their equipment would not malfunction unless the radio operator were doing something illegal.

"This program will not negate the need for manufacturers to build equipment that works well near a radio signal," Hare said. "While manufacturers have made some progress with voluntary standards of immunity, we still have a long way to go. The ARRL is currently considering the best ways to balance the cooperation we have worked hard to establish with industry-standards bodies against the growing need to protect amateurs and consumers from the effects of inadequate selectivity in many home electronic devices.

"This program will also not be able to completely replace the need for the FCC's help with interference problems. The FCC must continue to supply accurate information about interference and stand behind radio operators who operate their equipment legally.

"There are a number of unresolved issues and potential pitfalls," Hare said. "The service technicians will not work for free and the program guidelines must be very clear about who pays for their service. And the neighbors of radio operators usually assume that all interference is the fault of the radio station. Can we ensure that the service technicians are properly trained?

"The ARRL will continue to work closely with the FCC, manufacturers, and amateurs to help resolve these issues and develop effective solutions," Hare said.

From: The ARRL Letter, Volume 14, no 15, August 15, 1995

GENERAL MEMBERSHIP MEETING

Aug 10, 1995

The general membership meeting was opened at 7:00 p.m. by the Vice President Rick Brown, KD0SU, upon determining a quorum of the membership was present. Members and guests introduced themselves. Several newly licensed amateurs were present.

The treasurer's report was given by Ron, NK0P. Income this month was \$506.80 with expenses of \$277.30 leaving a balance of \$4313.70. A motion was made and seconded to accept Ron's report. The minutes of the July 12, 1995, general membership meeting, as published in the O-Beat, were approved as written.

Committee Reports:

R.A.C.E.S. Doug, KB0KQH, announced that the next meeting will be a test of the callout system. Interested Amateurs should contact Cory, KB0NMH during the break. About 28 people will be needed.

A.R.E.S. Liaison: The members were reminded that the A.R.E.S. HF nets are held on 3928 Khz on Sunday morning, 8:30 local time and VHF Nets are on Tuesday night on the 146.97 repeater.

Public Service: Jeff, N0WPA briefed on the Balloon Classic which will be held on 2, 3, 4 Sept. Interested amateur should contact him. Also the March of Dimes Walk is coming up and help will be needed.

VEC Testing: Erick KG0XC, reported the next session will be in Aug 12 at the college.

Skywarn: No report.

Interference: Bill, N0NJX, reported on an interference problem that was successfully corrected. The committee is working on a problem that is more challenging.

O-BEAT Editor: Renay, KA0ROY, reminded everyone that the cutoff date for the next O-BEAT is Aug 20. If anyone has articles for the O-BEAT please get them to Renay.

Programs: Steve announced that next month's program will a guest speaker who will talk about

Dxing in the Cayman Island. The program for tonight will be provided by the Edge of Space DFing group.

CARC: The next meeting will be 30 Sept in Longmont.

Picnic: Ron reminded the membership of the PPRAA Picnic on 13 Aug 95 at the AFA Picnic Area #3. Starting time is 1200. There will be a tailgate swapfest in the parking lot. Bring a covered dish to share. Burger and such will be provided. The Board meeting will follow the picnic.

Old Business:

Remember that elections are in Oct. If you want to nominate someone, make sure they have the time and are willing to run for the Board. Then let Steve or Rick know.

Ginger, N0UOD, thanked all those who helped with the Science Fair.

New Business:

Steve, K0CI, asked for volunteers to sign up for Library day. He will be available at the break to answer questions.

Dave, N0UVA, briefed on a Fox Hunt to be held at Castle Rock this Sunday at 4 PM. Talkin will be on the 146.97 repeater and 147.555 simplex. It should be fun.

Les, KC0NC, announced that the Saturday morning breakfast had been moved to the Colorado Cafe on Circle Dr. The informal group meets about 6:30. Good food and amateur radio talk is guarantee. All interested Hams should come early and stay late.

Les, KC0NC, announced that there will be an informal VHF simplex net on 146.58 on Tuesday nights as well as an informal roundtable on 3990.5 Khz on Sunday night after the State RACES net. All are invited to participate.

Norm, N0ENN, ask for help in rejuvenate the UCCS Amateur Radio Club.

A Tektronic 545 O Scope has been donated to the PPRAA. It is for sale with the proceeds going to the PPRAA.

Hammy Award: The Hammy award was present to Ginger, N0UOD, by Warren, W0YNE. Congratulations to Ginger.

There being no further business the meeting was adjourned
Respectfully submitted by Warren, W0YNE, Secretary

THE TESLA SOCIETY.....

The Tesla Society thanks everyone who helped make the Ham Radio aspect of the 1995 Extraordinary Science Conference such a great success. PPRAA furnished a beam antenna and even delivered it. We operated two meters and two HF stations and made over 450 contacts which was double over last year. Many local ham operators participated and got the feel of what it was like to be the station sought after. As operators we received complimentary admittance to all the sessions. W2NSD, Wayne Green, was featured on the program and spent a while helping us at the station. Thanks to KC2Q, Mike, and WB2UFV, Skip, and the Tesla Society for making us a part of the conference. 29 people attended an informal 'get-together' session prior to the conference...it was Russ and my pleasure to host this. Rosie WA0MNL 471-9965

It is with great sorrow that we announce a silent key. Malcolm Benton KE9S passed away on August 17, 1995 in the afternoon after a courageous battle with cancer. Malcolm will be greatly missed.

Board Meeting - Minutes

The PPRAA board of directors met at the USAFA picnic grounds on August 13, 1995. Present were Jill, AA0TH; Harry, N0SFP; Steve, WB7VHR; Jeff, N0JLH; Rick, KD0SU; Steve, K0CI; Rosie, WA0MNL; Ron, NK0P; Cliff, N0ZUQ and Jeff, N0WPA. The meeting was called to order at 1300 by Steve, WB7VHR. Rick, KD0SU led a discussion concerning the wonderful donations to the club by Bob Hrebek, KG0RO. Harry, N0SFP moved and Jeff, N0WPA seconded a motion that Bob, KG0RO be given a lifetime honorary membership. MOTION PASSED by unanimous vote. Steve, K0CI discussed the September 9th exhibit at the East Library. He has many volunteers and it appears a good show is in the making. Jeff, N0WPA moved and Rick, KD0SU seconded a motion to spend an amount not to exceed \$50.00 for cookies and coffee for the library exhibit. MOTION PASSED. Rosie, WA0MNL led a discussion about the current venue for the monthly club meetings. No formal action was taken. Ron, NK0P advised the board that an uncashed check in the amount of \$231.00 issued by the club could not be written off due to Colorado income accounting law and that the matter needs to be cleared up prior to the next elections. The board agreed that formal action will be taken no later than the September board meeting. No formal action was taken. Steve, WB7VHR led a discussion about elections and requested all members to solicit volunteers for board and officer positions. The board discussed the September club meeting. Colorado Section Manager Tim Arnagost will attend to speak briefly on what's happening around the state; the program is "activities night". The meeting was adjourned at 1421. Respectfully submitted,

Jeff, N0WPA



Dits and Bits

For Sale:

Tubes, 811A \$14, 807 \$7, 2E24 \$5, many other types below list price. Call me for my list!

Portable Computer: HP 110 with two diskette drives, printer, manuals, cases, asking \$100.

Travel clock radio: Realistic 12-626, digital, asking \$15.

Tape eraser: GC electronics 30-140, asking \$10.

Scanner: Bearcat BC 100XLT, handheld, 16 channel programmable, asking \$55.

Stereo: Nikko NR-550 digital receiver with two Sony bookshelf speakers, asking \$50.

Workbench: Cleaned off another one.

FREE.

Camera: Nikon N2000 self wind, automatic with Tokina 28-70 mm zoom lens, with case and instructions, asking \$190.

Stereo: Proton 930 digital receiver with two Infinity Qa speakers, asking \$275.

Outdoor phone bell: Realistic 43-177, asking \$10.

Autosound slide brackets: for your "pull-out mobile." Asking \$2 ea.

Antenna wire or hook-up wire: Royal electric switchboard wire, #14 7-strand tinned type

SIS gray insulation, 500 ft. Asking \$10

Call Steve KDCI 598-3554.

Fall Activities

Fox Hunt Radio Classes



13 Aug 95 Foxhunt Summary

In amateur radio, you can't hardly beat "foxhunting" for good, clean fun and excitement for the whole family. On Sunday, August 13, the Colorado Springs and Denver foxhunters joined together at Castle Rock for a super-foxhunt. If enjoyment and excitement levels increase as a function of number of hunters, then Sunday's hunt was indeed successful. — This because we had an excellent turn-out: thirteen vehicles with various yagis, dopplers, etc. Participants included: N0NJM (hidden fox), KB0MMV, WB0MHP, N0UVR, WA0GEH, WB4ETT, N0PUF, K0ELM (winner), N0PCZ, N0LEQ, WD4MYL (drove all the way from Rollins, Wyo. just for this hunt), WA2OOD, K0CNC, N0JLH. All participants successfully located the fox — which was hidden approximately 15.5 miles Southeast from the starting point. (By the way, the scenery was gorgeous. Is this a great country or what!)

Next hunt: Sunday, September 10, 4PM. Start: 2 miles east of Castle Rock — intersection of Hwys 86 and 83 Talk-in: 147.555 Simplex.

Greg Burnett, K0ELM



OM/YL LUNCH BUNCH

The next lunch meet will be September 21 at the Home Town Buffet in the Shops of the Bluffs at 12:00p.m.

73's

Rosie Calaway, WA0MNL
471-9965

Please Support our Advertisers!

OEM Parts Inc.

Quality
Optical—Electronic—Mechanical Parts
Buy—Sell—Trade—New & Used Surplus Items

25128 North Hiway 101
Colorado Springs, CO. 80907
(719) 635-0771 or 635-0772
FAX (719) 475-2249

Centennial Electronics RCA—GE Distributor

Tubes	Test Equipment
Solder Aids	VCR/Stereo Accessories
Capacitors	Tools

"Hard to Find Batteries and Tubes"

Ham & Senior Discount
Wholesale—Retail

Hours: 8:30—1 Sat. / 8:30 — 5:30 Mon. — Fri.

2324 E. Bijou
Colorado Springs, CO. 80909
633-4666

MILEY'S RADIO

Don K2TAA
719 W 7th St.
Florence, Colorado 81226
(719) 784-3040
All brands of new, used, and consignments
We trade and give you top trade-in price
We buy used ham equipment



Ora Marie Originals
CUSTOM DRAPES & WINDOW TREATMENT
Club JACKETS and PATCHES

ORA MARIE ROSE

N80IX

719-591-5756

11 Store Buying Power



8400 East Iliff, Unit 9
Denver, Colorado 80231

(303)745-7373

(800)444-9478

24 Hour FAX Order Line (303)745-7394

Joe KD0GA
John N5EHP
John KF0PQ

Dean AC0S
Mike N10E
Brian N0IGQ

JOHN MAX
President

Colorado Springs Wintronic Co.
Wholesale Distributors
Electronic Parts, Supplies & Equipment

2835 N. Prospect St.
Colorado Springs, CO. 80907

Tel. (719) 636-1001
FAX (719) 636-1883



Please
Drive
Carefully ...

Membership Application
Pikes Peak Radio Amateur Association, INC.

P.O. Box 16521
Colorado Springs, Colorado 80935

Date _____

Name _____

Address _____

City _____ State _____ Zip _____

Call _____ License Class _____ Telephone _____

Are you an ARRL member? Yes _____ No _____

One year membership rates. (Year starts with the month you receive your first issue.)

Full Member \$15.00 _____ Family Membership (same address) \$18.00 _____

Over 65 \$12.00 _____ Family Both over 65 \$12.00 _____

Associate (outside El Paso or Teller Co.) \$12.00 _____ Newsletter only \$12.00 _____

Additional Names: _____ Call _____ Class _____

IF THIS IS A RENEWAL PLEASE CHECK HERE: _____

PLEASE TYPE OR PRINT CLEARLY!

Please note: Please submit a completed application form along with your check to the treasurer. This applies to new membership as well as renewals. Thank you